

# LUCY E DELANEY

University of Illinois at Chicago  
Department of Biological Sciences  
Chicago, IL 60607



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## Education

UNIVERSITY OF ILLINOIS AT  
CHICAGO

PhD, Ecology and Evolutionary Biology (Expected Fall 2021)  
Dissertation: *How do we understand and explain natural selection?*  
Advisor: Joel S. Brown

HUNTER COLLEGE

MA, Molecular and Cellular Biology (2016)

JOHN JAY COLLEGE OF  
CRIMINAL JUSTICE

BS, Forensic Molecular Biology (2012)  
Minor: Philosophy

## Teaching Honors

GRADUATE STUDENT  
EXCELLENCE IN TEACHING  
AND MENTORING AWARD

**2021** Honorable Mention  
One of three PhD candidates recognized by the University for  
excellence in undergraduate teaching and mentoring.

SERVICE AWARD

**2021** Department of Biological Sciences Graduate Service Award  
Awarded for Department-wide efforts to aid in online instruction.

GRADUATE STUDENT  
TEACHING AWARD

**2020** Department of Biological Sciences Graduate Teaching Award  
Awarded for excellence in teaching in Genetics.  
**2018** Department of Biological Sciences Graduate Teaching Award  
Awarded for excellence in teaching in Evolution.

## University Teaching

INSTRUCTOR OF RECORD

**Foundations for the Future** Fall 2021

Focused on the practical skills students need to develop and implement their senior Capstone (research) projects. Students begin the practice of establishing professional identities through weekly meetings and course activities that examine the various components of research, and the personal motivations that drive our work.

COURSE COORDINATOR

**Biology Colloquium** Fall 2021


Designed to generate a sense of community, belonging, and excitement among new biology majors. Composed of newly-admitted freshman and transfers, and upper-division majors ready to take on a leadership role. I develop the course structure and oversee all activities, with emphasis on student mentoring at both levels.




## COURSE BUILDER

### Biological Sciences Department Summer 2020–Present

Training faculty and Graduate Teaching Assistants in online pedagogy and instructional tools with written materials, tutorial videos, and drop-in hours. I assist in building courses from the ground up, and provide technical support throughout online delivery.

## GRADUATE TEACHING ASSISTANT

During my eleven semesters as teaching assistant, I taught discussion<sup>1</sup> and laboratory<sup>2</sup> sections, designed & created instructional materials<sup>3</sup>, held study sessions<sup>4</sup>, and worked with students on  programming skills<sup>5</sup> in courses ranging from introductory to advanced. I also taught online and managed Blackboard administration<sup>6</sup> during Covid-19.

**Mendelian and Molecular Genetics**<sup>1,3,4,6</sup>   Fall 2019–Summer 2020  
**General Ecology Laboratory**<sup>2,4,5</sup>  Summer 2019  
**Ecology and Evolution**<sup>3,4</sup> Spring 2019  
**Evolution**<sup>3,4,5</sup> Fall 2017–Fall 2018  
**Biology of Populations and Communities**<sup>2,4</sup> Fall 2016–Spring 2017

## Areas of Undergraduate Teaching Focus

**Introductory and Intermediate Ecology & Evolutionary Biology.** Basic ecological systems, ecosystem dynamics, and core evolutionary principles, with emphasis on application via introductory field experimentation and programming.




**Advanced Evolutionary Biology.** History & development of evolutionary theory, evolutionary mechanisms, population genetics, quantitative genetics, species & speciation, phylogenetic comparative methods, and macroevolutionary processes, with introduction to computational applications.




**Genetics.** Principles of genetics, gene & chromosome structure, gene expression, inheritance of complex traits, and Mendelian & non-Mendelian inheritance.





**Research and Professional Skills.** Principles of research, research methodologies, resume & CV building, applying to graduate schools, finding & applying for funding, professional writing & speaking, and basic computational skills.



## Conference Presentations

### *Evolution Education Research*

**July 2021** at Society for the Advancement of Biology Education Research | Virtual Talk   

**June 2021** at Society for the Study of Evolution | Virtual Talk   


**March 2021** at Midwest Ecology and Evolution Conference |  Best Graduate Talk   

**January 2021** at SABER West | Virtual Roundtable  


### *Flowering Plant Breeding Systems*

**July 2021** at Botanical Society of America | Virtual Talk   

**July 2018** at Botanical Society of America | Rochester, MN | Poster 

**August 2017** at microMORPH | Arnold Arboretum of Harvard University | Talk 

## Publications

Delaney, Lucy E. (2012). Nietzsche, nerve stimulation-image connection, and ontology. *John Jay's Finest*, 27, 99–103. 

### In revision

Delaney, Lucy E & Igić, B. The phylogenetic distribution and frequency of self-incompatibility in Fabaceae. *Accepted by the International Journal of Plant Sciences*.

### In submission









Delaney, Lucy E. The orchids and their breeding systems. *Submitted to Orchids magazine*.

### In preparation







Delaney, Lucy E & Brown, J. S. University students' explanations of adaptation. I. A framework for analysis.

Delaney, Lucy E & Brown, J. S. University students' explanations of adaptation. II. On the development of instructional materials.

## Professional Activities

-  **2021** Participant in the Undergraduate Mentoring Program at the Annual Evolution Conference
-  **2021** Invited member of UIC student advisory group concerning graduate student teaching support
-  **2020** Participant in the 2020 Chicago  Collaborative Conference 
-  **2018** Reviewer for International Journal of Plant Sciences (1x), Oxford Bibliographies (1x)
-  **2016** General horticulture volunteer at Garfield Park Conservatory 

## Other Awards

-  **2018** Recipient of the Biological Sciences Department Travel Award
-  **2017** Accepted to NSF-funded workshop on Bayesian Analysis of Macroevolutionary Mixtures 
-  **2017** Recipient of the Biological Sciences Department Travel Award
-  **2017** Accepted to microMORPH Plant Anatomy Summer Course at Harvard University 

## Selected Professional Experience

**Forensic Molecular Biologist** at NYC Office of Chief Medical Examiner 2012–2015

**Health Research Intern** at NYC Department of Health 2011–2012

**Field Manager & Administrative Assistant** at Working Families Party 2008–2011  
*New York State political action organization focused on economic justice.*

**Other positions** 2007–2020

*Like so many of our students, I held a variety of positions to support myself throughout my scholarly career: cashier, hostess, waitress, receptionist, babysitter, dog walker, bowling alley mechanic, substitute teacher, tutor, and barista. Such experiences inform my mentorship of students that face the unique challenges inherent in balancing work with the pursuit of postsecondary degrees.*